09/927,616

Refine Search

Search Results -

Terms	Documents
agrobact$ and trifolitoxin	4

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L12

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Tuesday, August 15, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,EPAB,JPAB,DWPI; PLUR=NO; OP=OR			
L12	agrobact$ and trifolitoxin	4	L12
L11	agrobact$ and trifolitoxin	4	L11
DB=USPT; PLUR=NO; OP=OR			
L10	agrobact$ and trifolitoxin	3	L10
L9	biocontrol and L8	0	L9
L8	agrobacter$ and L7	3	L8
L7	trifolitoxin	5	L7
L6	rhizobium and l1	3	L6
L5	biocontrol and l1	0	L5
L4	agrobact$ and l1	1	L4
L3	triplett-eric.in.	0	L3
L2	triplett.in.	286	L2
L1	triplett.in.	286	L1

END OF SEARCH HISTORY

Connecting via Winsock to STN

09/927,616 15 Aug 06

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

GJH

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS 5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 6	MAY 11	KOREAPAT updates resume
NEWS 7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS 10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS 14	JUl 14	FSTA enhanced with Japanese patents
NEWS 15	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS 16	AUG 09	INSPEC enhanced with 1898-1968 archive

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 15:27:38 ON 15 AUG 2006

=> file .agbiotech

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:28:11 ON 15 AUG 2006

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FILE 'CABA' ENTERED AT 15:28:11 ON 15 AUG 2006

FILE 'AGRICOLA' ENTERED AT 15:28:11 ON 15 AUG 2006

FILE 'BIOSIS' ENTERED AT 15:28:11 ON 15 AUG 2006


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=> s trifolitoxin
L1          94 TRIFOLITOXIN

=> s agribact? and l1
L2           0 AGRIBACT? AND L1

=> s agrobact? and l1
L3          12 AGROBACT? AND L1

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4           8 DUP REM L3 (4 DUPLICATES REMOVED)

=> d 1-8

L4   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2002:142444  CAPLUS
DN   136:179302
TI   Biological control of crown gall disease in plants with recombinant
     trifolitoxin-producing α-proteobacteria
IN   Triplett, Eric W.; Herlache, Thomas C.
PA   Wisconsin Alumni Research Foundation, USA
SO   PCT Int. Appl., 46 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 2002013614        A2    20020221    WO 2001-US25120        20010810
     WO 2002013614        A3    20020912
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
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             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
             VN, YU, ZA, ZW
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             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2419890           AA    20020221    CA 2001-2419890        20010810
     AU 2001083283        A5    20020225    AU 2001-83283          20010810
     US 2002090354        A1    20020711    US 2001-927616         20010810
     EP 1307103           A2    20030507    EP 2001-962069         20010810
     EP 1307103           B1    20041201
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     AT 283632            E     20041215    AT 2001-962069         20010810
     NZ 523390            A     20060526    NZ 2001-523390         20010810
PRAI US 2000-224929P      P     20000811
     WO 2001-US25120      W     20010810
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L4 ANSWER 2 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2002:355974 BIOSIS
DN PREV200200355974
TI Expression of a crown gall biological control phenotype in an avirulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes.
AU Herlache, Thomas C.; Triplett, Eric W. [Reprint author]
CS Department of Agronomy,, University of Wisconsin-Madison, 1575 Linden Drive, Madison, WI, 53706, USA
tcherlache@facstaff.wisc.edu; triplett@facstaff.wisc.edu
SO BMC Biotechnology, (March 6, 2002) Vol. 2, No. 2 Cited May 5, 2002, pp. 1-7. http://www.biomedcentral.com/content/pdf/1472-6750-2-2.pdf. cited June 4, 2002. http://www.biomedcentral.com/1472-6750. online.
ISSN: 1472-6750.
DT Article
LA English
ED Entered STN: 26 Jun 2002
Last Updated on STN: 26 Jun 2002

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:380003 CAPLUS
DN 137:106455
TI Expression of a crown gall biological control phenotype in a virulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes
AU Herlache, Thomas C.; Triplett, Eric W.
CS Department of Agronomy, University of Wisconsin-Madison, Madison, WI, 53706, USA
SO BMC Biotechnology [online computer file] (2002), 2, No pp. given
CODEN: BBMIE6; ISSN: 1472-6750
URL: http://www.biomedcentral.com/content/pdf/1472-6750-2-2.pdf
PB BioMed Central Ltd.
DT Journal; (online computer file)
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 CABA COPYRIGHT 2006 CABI on STN
AN 2004:171982 CABA
DN 20043152802
TI Expression of a crown gall biological control phenotype in an avirulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes
AU Herlache, T. C.; Triplett, E. W.
CS Department of Agronomy, University of Wisconsin-Madison, 1575 Linden Drive, Madison, WI 53706, USA. tcherlache@facstaff.wisc.edu; triplett@facstaff.wisc.edu
SO BMC Biotechnology, (2002) Vol. 2, No. 2, pp. (6 March 2002). 31 ref.
Publisher: BioMed Central Ltd. London
ISSN: 1472-6750
URL: http://www.biomedcentral.com/1472-6750/2/2/abstract
CY United Kingdom
DT Journal
LA English
ED Entered STN: 8 Nov 2004
Last Updated on STN: 8 Nov 2004

L4 ANSWER 5 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2000:319909 BIOSIS
DN PREV200000319909
TI Trifolitoxin production enhances biological control of A. vitis-induced crown gall.
AU Herlache, T. C. [Reprint author]; Triplett, E. [Reprint author]
CS University of Wisconsin-Madison, Madison, WI, USA

SO Phytopathology, (June, 2000) Vol. 90, No. 6 Supplement, pp. S35. print.
Meeting Info.: Annual Meeting of the American Phytopathological Society. New Orleans, Louisiana, USA. August 12-16, 2000. American Phytopathological Society.
CODEN: PHYTAJ. ISSN: 0031-949X.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 26 Jul 2000
Last Updated on STN: 7 Jan 2002

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
AN 1994:697016 CAPLUS
DN 121:297016
TI Expression of tfx and sensitivity to the rhizobial peptide antibiotic trifolitoxin in a taxonomically distinct group of α-proteobacteria including the animal pathogen Brucella abortus
AU Triplett, Eric W.; Breil, Brenda T.; Splitter, Gary A.
CS Dep. of Agronomy, Univ. of Wisconsin, Madison, WI, 53706, USA
SO Applied and Environmental Microbiology (1994), 60(11), 4163-6
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2
AN 1990:113697 CAPLUS
DN 112:113697
TI A rapid bioassay for the activity of the antirhizobial peptide, trifolitoxin
AU Triplett, Eric W.; Vogelzang, Robert D.
CS Cent. Study Nitrogen Fixation, Univ. Wisconsin, Madison, WI, 53706, USA
SO Journal of Microbiological Methods (1989), 10(3), 177-82
CODEN: JMIMDQ; ISSN: 0167-7012
DT Journal
LA English

L4 ANSWER 8 OF 8 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 3
AN 89:18725 CABA
DN 19891930427
TI Isolation of genes involved in nodulation competitiveness from Rhizobium leguminosarum bv. trifolii T24
AU Triplett, E. W.
CS Dep. Agron., Univ. Wisconsin, Madison, WI 53706-1597, USA.
SO Proceedings of the National Academy of Sciences of the United States of America, (1988) Vol. 85, No. 11, pp. 3810-3814. 2 fig., 5 tab. 29 ref.
ISSN: 0027-8424
DT Journal
LA English
ED Entered STN: 1 Nov 1994
Last Updated on STN: 1 Nov 1994

=> d his

(FILE 'HOME' ENTERED AT 15:27:38 ON 15 AUG 2006)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 15:28:11 ON 15 AUG 2006
L1 94 S TRIFOLITOXIN
L2 0 S AGRIBACT? AND L1
L3 12 S AGROBACT? AND L1
L4 8 DUP REM L3 (4 DUPLICATES REMOVED)

=> d l4 1-8 abs

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AB The present invention provides a method for controlling crown gall disease in plants using an effective quantity of α-proteobacteria that produces trifolitoxin (TFX). The present invention also provides a biocontrol agent for use in the above method, and a plant coated with the biol. control agent. The biocontrol agent is characterized as a biol. pure culture of an α-proteobacteria strain that produces TFX, or an α-proteobacteria strain genetically engineered to produce TXF. The α-proteobacteria strain employed may include any one of the many strains of Agrobacterium capable of producing crown galls, including Agrobacterium vitis and, in particular, A. vitis F2/5. The α-proteobacteria strain employed may be genetically engineered to produce TFX by introducing a genetic construct into the Agrobacterium so as to cause Agrobacterium to carry and express the tfx operon from Rhizobium. The bacteria may also be genetically engineered to produce TFX by introducing a pT2TFXK plasmid into the Agrobacterium. The biocontrol agent may also be the strain Agrobacterium vitis F2/5 (pT2TFXK), ATCC Patent Deposit Designation PTA-2256.

L4 ANSWER 2 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AB Background: Agrobacterium vitis is a causal agent of crown-gall disease. Trifolitoxin (TFX) is a peptide antibiotic active only against members of a specific group of alpha-proteobacteria that includes Agrobacterium and its close relatives. The ability of TFX production by an avirulent strain of Agrobacterium to reduce crown gall disease is examined here. Results: TFX was shown to be inhibitory in vitro against several A. vitis strains. TFX production, expressed from the stable plasmid pT2TFXK, conferred biological control activity to an avirulent strain of A. vitis. F2/5, against three virulent, TFX-sensitive strains of A. vitis tested on Nicotiana glauca. F2/5(pT2TFXK) is significantly reduces number and size of galls when co-inoculated with tumorigenic strain CG78 at a 10:1 ratio, but is ineffective at 1:1 or 1:10 ratios. F2/5(pT2TFXK) is effective when co-inoculated with tumorigenic strain CG435 at 10:1 and 1:1 ratios, but not at a1:10 ratio. When F2/5(pT2TFXK) is co-inoculated with CG49 at a 10:1 ratio, the incidence of gall formation does not decline but gall size decreases by more than 70%. A 24 h pre-inoculation with F2/5(pT2TFXK) does not improve biological control at the 1:10 ratio. Conclusions: TFX production by an avirulent strain of Agrobacterium does confer in that strain the ability to control crown gall disease on Nicotiana glauca. This is the first demonstration that the production of a ribosomally synthesized, post-translationally modified peptide antibiotic can confer reduction in plant disease incidence from a bacterial pathogen.

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AB Agrobacterium vitis is a causal agent of crown gall disease. Trifolitoxin (TFX) is a peptide antibiotic active only against members of a specific group of α-proteobacteria that includes Agrobacterium and its close relatives. The ability of TFX production by an a virulent strain of Agrobacterium to reduce crown gall disease is examined here. TFX was shown to be inhibitory in vitro against several A. vitis strains. TFX production, expressed from the stable plasmid pT2TFXK, conferred biol. control activity to an avirulent strain of A. vitis, F2/5, against three virulent, TFX-sensitive strains of A. vitis tested on Nicotiana glauca. F2/5(pT2TFXK) significantly reduces the number and size of galls when co-inoculated with tumorigenic strain CG78 at a 10:1 ratio, but is ineffective at 1:1 or 1:10 ratios. F2/5(pT2TFXK) is effective when co-inoculated with tumorigenic strain CG435 at 10:1 and 1:1 ratios, but not at a 1:10 ratio. When F2/5(pT2TFXK) is co-inoculated with CG49 at a 10:1 ratio, the incidence of gall formation does not decline but gall size decreases by more than 70%. A 24 h pre-inoculation with F2/5(pT2TFXK) does not improve biol. control at the 1:10 ratio. Thus, TFX

production by an avirulent strain of Agrobacterium does confer in that strain the ability to control crown gall disease on Nicotiana glauca. This is the first demonstration that the production of a ribosomally synthesized, post-translationally modified peptide antibiotic can confer reduction in plant disease incidence from a bacterial pathogen.

L4 ANSWER 4 OF 8 CABA COPYRIGHT 2006 CABI on STN

AB Background: Agrobacterium vitis is a causal agent of crown-gall disease. Trifolitoxin (TFX) is a peptide antibiotic active only against members of a specific group of [alpha]-proteobacteria that includes Agrobacterium and its close relatives. The ability of TFX production by an avirulent strain of Agrobacterium to reduce crown gall disease is examined here. Results: TFX was shown to be inhibitory in vitro against several A. vitis strains. TFX production, expressed from the stable plasmid pT2TFXK, conferred biological control activity to an avirulent strain of A. vitis. F2/5, against three virulent, TFX-sensitive strains of A. vitis tested on Nicotiana glauca. F2/5(pT2TFXK) is significantly reduces number and size of galls when co-inoculated with tumorigenic strain CG78 at a 10:1 ratio, but is ineffective at 1:1 or 1:10 ratios. F2/5(pT2TFXK) is effective when co-inoculated with tumorigenic strain CG435 at 10:1 and 1:1 ratios, but not at a 1:10 ratio. When F2/5(pT2TFXK) is co-inoculated with CG49 at a 10:1 ratio, the incidence of gall formation does not decline but gall size decreases by more than 70%. A 24 h pre-inoculation with F2/5(pT2TFXK) does not improve biological control at the 1:10 ratio. Conclusions: TFX production by an avirulent strain of Agrobacterium does confer in that strain the ability to control crown gall disease on Nicotiana glauca. This is the first demonstration that the production of a ribosomally synthesized, post-translationally modified peptide antibiotic can confer reduction in plant disease incidence from a bacterial pathogen.

L4 ANSWER 5 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1

AB Three phylogenetically distinct groups within the α-proteobacteria which differ in trifolitoxin sensitivity are described. Trifolitoxin sensitivity was found in strains of Agrobacterium, Brucella, Mycoplana, Ochrobactrum, Phyllobacterium, Rhodobacter, Rhodopseudomonas, Rhodospirillum, and Rhizobium. Strains of Agrobacterium, Brucella, Phyllobacterium, Rhizobium, and Rhodospirillum produced trifolitoxin upon conjugal transfer of tfxABCDEFG.

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     FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 15:28:11 ON 15 AUG 2006
L1            94 S TRIFOLITOXIN
L2             0 S AGRIBACT? AND L1
L3            12 S AGROBACT? AND L1
L4             8 DUP REM L3 (4 DUPLICATES REMOVED)

=> e trifolitoxin
E1             4     TRIFOLITIN/BI
E2             1     TRIFOLITOTOXIN/BI
E3            94 --> TRIFOLITOXIN/BI
E4             1     TRIFOLITTOXIN/BI
E5             3     TRIFOLIU/BI
E6             2     TRIFOLIULUI/BI
E7         52875     TRIFOLIUM/BI
E8             1     TRIFOLIUMHYBRIDUM/BI
E9             1     TRIFOLIUMIN/BI
E10            1     TRIFOLIUMM/BI
E11            3     TRIFOLIUMPRATENSE/BI
E12            4     TRIFOLIUMS/BI

=> e
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E14            2     TRIFOLIURN/BI
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E19            2     TRIFOLLIATA/BI
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E21           14     TRIFOLLII/BI
E22            1     TRIFOLLIN/BI
E23            1     TRIFOLLIOLATE/BI
E24            7     TRIFOLLIUM/BI

=> e
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E27            2     TRIFOLOATE/BI
E28            1     TRIFOLOII/BI
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E30            2     TRIFOLOIUM/BI
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E32            2     TRIFOLORIUM/BI
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E35            1     TRIFOLP/BI
E36            1     TRIFOLRHIZIN/BI

=> s e7
L5         52875 TRIFOLIUM/BI

=> s l5 and agrobact?
L6           180 L5 AND AGROBACT?

=> s l6 and (grape or tobacco)
L7            20 L6 AND (GRAPE OR TOBACCO)

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L8            17 DUP REM L7 (3 DUPLICATES REMOVED)

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L8 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:702872 CAPLUS
DN 139:225499
TI Transformation of plant cells with Aspergillus niger pectin methylesterase gene
IN Fukusaki, Eiichiro; Kobayashi, Akio; Hasunuma, Masahisa
PA Osaka Industrial Promotion Organization, Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003250568	A2	20030909	JP 2002-57546	20020304
PRAI JP 2002-57546		20020304		

L8 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:158008 CAPLUS
DN 136:211940
TI Nucleic acid sequence of novel genetic vector and methods for plant gene silencing
IN Baulcombe, David Charles; Martin-Hernandez, Ana Montserrat
PA Plant Bioscience Limited, UK
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002016622	A1	20020228	WO 2001-GB3623	20010813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001078598	A5	20020304	AU 2001-78598	20010813
US 2004078844	A1	20040422	US 2003-362144	20030930
PRAI GB 2000-20320	A	20000817		
WO 2001-GB3623	W	20010813		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:489422 CAPLUS
DN 135:89791
TI Insecticidal proteins and DNA sequences from Bacillus thuringiensis
IN Arnaut, Greta; Boets, Annemie; Damme, Nicole; Mathieu, Eva; Vanneste, Stijn; Van Rie, Jeroen
PA Aventis CropScience NV, Belg.
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001047952	A2	20010705	WO 2000-EP13184	20001219
WO 2001047952	A3	20020321		

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             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
             ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2395897           AA    20010705    CA 2000-2395897        20001219
     BR 2000016851        A     20021008    BR 2000-16851          20001219
     EP 1255773           A2    20021113    EP 2000-991258         20001219
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2003518930        T2    20030617    JP 2001-549422         20001219
     AU 784649            B2    20060518    AU 2001-31638          20001219
     US 2004016020        A1    20040122    US 2003-614524         20030708
PRAI US 1999-173387P      P     19991228
     US 2000-739243       B1    20001219
     WO 2000-EP13184      W     20001219

L8   ANSWER 4 OF 17  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2001:397024  CAPLUS
DN   135:1212
TI   Homologous recombination and molecular evolution of recombination protein
     homologs in plants
IN   Lassner, Michael; Delcardayre, Steven
PA   Maxygen, Inc., USA
SO   PCT Int. Appl., 57 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
     ---------------      ----   --------    --------------------   --------
PI   WO 2001038504        A2     20010531    WO 2000-US32289        20001122
     WO 2001038504        A3     20020124
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     US 6686515           B1     20040203    US 2000-721582         20001122
PRAI US 1999-167450P      P      19991123

L8   ANSWER 5 OF 17  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2001:168161  CAPLUS
DN   134:218000
TI   Use of arabinogalactan protein fusion constructs in expressing proteins or
     peptides of pharmaceutical interest in transgenic plants
IN   Bailey, Andrea; Yu, Wenjin; Tuboly, Tamas; Nagy, Eva; Erickson, Larry
PA   University of Guelph, Can.
SO   PCT Int. Appl., 49 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
     ---------------      ----   --------    --------------------   --------
PI   WO 2001016339        A1     20010308    WO 2000-CA977          20000825
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	AU 2000066782	A5	20010326	AU 2000-66782	20000825
PRAI	US 1999-151147P	P	19990827		
	WO 2000-CA977	W	20000825		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
AN 2001:642838 CAPLUS
DN 135:317120
TI Towards development of an edible vaccine against bovine pneumonic pasteurellosis using transgenic white clover expressing a Mannheimia haemolytica A1 leukotoxin 50 fusion protein
AU Lee, Raymond W. H.; Strommer, Judith; Hodgins, Doug; Shewen, Patricia E.; Niu, Yongqing; Lo, Reggie Y. C.
CS Department of Microbiology, University of Guelph, Guelph, ON, N1G 2W1, Can.
SO Infection and Immunity (2001), 69(9), 5786-5793
CODEN: INFIBR; ISSN: 0019-9567
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:513784 CAPLUS
DN 133:130821
TI Control of plant virus infection using replication-associated proteins and iteron elements of the origins of replication
IN Fauquet, Claude; Chatterji, Anju
PA Scripps Research Institute, USA
SO PCT Int. Appl., 172 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000043494	A2	20000727	WO 2000-US1849	20000127

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	WO 2000043494	A3	20001130	WO 2000-US200001849	20000127

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ,

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            MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
            IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML,
            MR, NE, SN, TD, TG
     EP 1147177           A2    20011024    EP 2000-905726          20000127
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
PRAI US 1999-117285P      P     19990126
     WO 2000-US1849       W     20000127


=> d his

     (FILE 'HOME' ENTERED AT 15:27:38 ON 15 AUG 2006)

     FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 15:28:11 ON 15 AUG 2006
L1            94 S TRIFOLITOXIN
L2             0 S AGRIBACT? AND L1
L3            12 S AGROBACT? AND L1
L4             8 DUP REM L3 (4 DUPLICATES REMOVED)
                 E TRIFOLITOXIN
L5         52875 S E7
L6           180 S L5 AND AGROBACT?
L7            20 S L6 AND (GRAPE OR TOBACCO)
L8            17 DUP REM L7 (3 DUPLICATES REMOVED)

=>
```

SWER 1 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:702872 CAPLUS
DOCUMENT NUMBER: 139:225499
TITLE: Transformation of plant cells with Aspergillus niger pectin methylesterase gene
INVENTOR(S): Fukusaki, Eiichiro; Kobayashi, Akio; Hasunuma, Masahisa
PATENT ASSIGNEE(S): Osaka Industrial Promotion Organization, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003250568	A2	20030909	JP 2002-57546	20020304
PRIORITY APPLN. INFO.:			JP 2002-57546	20020304

=> s agrobact vitis
VITIS IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s agrobacteruyn vutus
L9 0 AGROBACTERUYN VUTUS

=> s agrobacterium vitis
L10 422 AGROBACTERIUM VITIS

=> s l10 and F2/5
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
L11 0 L10 AND F2/5

=> s l10 and strainF2/5
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
'5' IS NOT A VALID FIELD CODE
L12 0 L10 AND STRAINF2/5

=> s l10 and trifolitoxin
L13 5 L10 AND TRIFOLITOXIN

=> d 1-5

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:380003 CAPLUS
DN 137:106455
TI Expression of a crown gall biological control phenotype in a virulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes
AU Herlache, Thomas C.; Triplett, Eric W.
CS Department of Agronomy, University of Wisconsin-Madison, Madison, WI, 53706, USA
SO BMC Biotechnology [online computer file] (2002), 2, No pp. given
CODEN: BBMIE6; ISSN: 1472-6750
URL: http://www.biomedcentral.com/content/pdf/1472-6750-2-2.pdf

PB BioMed Central Ltd.
DT Journal; (online computer file)
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:142444 CAPLUS
DN 136:179302
TI Biological control of crown gall disease in plants with recombinant trifolitoxin-producing α-proteobacteria
IN Triplett, Eric W.; Herlache, Thomas C.
PA Wisconsin Alumni Research Foundation, USA
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002013614	A2	20020221	WO 2001-US25120	20010810
	WO 2002013614	A3	20020912		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2419890	AA	20020221	CA 2001-2419890	20010810
	AU 2001083283	A5	20020225	AU 2001-83283	20010810
	US 2002090354	A1	20020711	US 2001-927616	20010810
	EP 1307103	A2	20030507	EP 2001-962069	20010810
	EP 1307103	B1	20041201		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	AT 283632	E	20041215	AT 2001-962069	20010810
	NZ 523390	A	20060526	NZ 2001-523390	20010810
PRAI	US 2000-224929P	P	20000811		
	WO 2001-US25120	W	20010810		

L13 ANSWER 3 OF 5 CABA COPYRIGHT 2006 CABI on STN
AN 2004:171982 CABA
DN 20043152802
TI Expression of a crown gall biological control phenotype in an avirulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes
AU Herlache, T. C.; Triplett, E. W.
CS Department of Agronomy, University of Wisconsin-Madison, 1575 Linden Drive, Madison, WI 53706, USA. tcherlache@facstaff.wisc.edu; triplett@facstaff.wisc.edu
SO BMC Biotechnology, (2002) Vol. 2, No. 2, pp. (6 March 2002). 31 ref.
Publisher: BioMed Central Ltd. London
ISSN: 1472-6750
URL: http://www.biomedcentral.com/1472-6750/2/2/abstract
CY United Kingdom
DT Journal
LA English
ED Entered STN: 8 Nov 2004
Last Updated on STN: 8 Nov 2004

L13 ANSWER 4 OF 5 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2002:355974 BIOSIS
DN PREV200200355974
TI Expression of a crown gall biological control phenotype in an avirulent strain of Agrobacterium vitis by addition of the trifolitoxin production and resistance genes.
AU Herlache, Thomas C.; Triplett, Eric W. [Reprint author]
CS Department of Agronomy,, University of Wisconsin-Madison, 1575 Linden Drive, Madison, WI, 53706, USA
tcherlache@facstaff.wisc.edu; triplett@facstaff.wisc.edu
SO BMC Biotechnology, (March 6, 2002) Vol. 2, No. 2 Cited May 5, 2002, pp. 1-7. http://www.biomedcentral.com/content/pdf/1472-6750-2-2.pdf. cited June 4, 2002. http://www.biomedcentral.com/1472-6750. online.
ISSN: 1472-6750.
DT Article
LA English
ED Entered STN: 26 Jun 2002
Last Updated on STN: 26 Jun 2002

L13 ANSWER 5 OF 5 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2000:319909 BIOSIS
DN PREV200000319909
TI Trifolitoxin production enhances biological control of A. vitis-induced crown gall.
AU Herlache, T. C. [Reprint author]; Triplett, E. [Reprint author]
CS University of Wisconsin-Madison, Madison, WI, USA
SO Phytopathology, (June, 2000) Vol. 90, No. 6 Supplement, pp. S35. print.
Meeting Info.: Annual Meeting of the American Phytopathological Society. New Orleans, Louisiana, USA. August 12-16, 2000. American Phytopathological Society.
CODEN: PHYTAJ. ISSN: 0031-949X.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 26 Jul 2000
Last Updated on STN: 7 Jan 2002

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